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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/459,644	12/13/1999	TAKASHI TSUNODA	862.3166	1438

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FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

CHUNG, DANIEL J

ART UNIT PAPER NUMBER

2672

DATE MAILED: 05/09/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/459,644

Applicant(s)

TSUNODA, TAKASHI

Examiner

Daniel J Chung

Art Unit

2672



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 31-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 31-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 31-45 are presented for examination. This office action is in response to the CPA filed on 1-21-2003.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 31-32,34-36,38-39,41-43 and 45 are rejected under 35 U.S.C. 102(e) as being anticipated by Tokunaga et al (5,968,132).

Regarding claim 31, Tokunaga et al discloses that the claimed feature of a display device capable of displaying first and second windows ["a multi-window environment"] on a display screen, comprising: receiving ["image receiving unit"; 44]

means for receiving first image data to be displayed on the first window [i.e. 25-1] and second image data to be displayed on the second window [i.e. 25-3], each of which are sequentially transferred from an external device [i.e. "image transmitting side unit"] in units of frames; memory ["main storage"; 33] means for storing the first image data and the second image data (See col 14 line 24-25, col 14 line 40-42); reduction means for reducing m frames of image data received by receiving means to n frames of image data, wherein m is greater than n [i.e. reducing to "a half of the set number of transmitting frames"]; and storing control ["window managing unit"; 50g, "frame number adjusting signal outputting unit"] means for storing the first image data ["image data within focus window"] without frame reduction and the second image data ["image data within no focus window"] reduced by reduction means in memory means when the first window is an active window ["focusing window"], and for storing the first image data reduced by reduction means and the second image data without frame reduction in memory means when the second window is an active window. (See Fig 31, Fig 32, Fig 33, Fig 36, col 5 line 25-34, col 6 line 52-64, col 40 line 51-60, col 41 line 50-col 42 line 42, col 56 line 48-62, See claim 18, claim 25)

Regarding claim 32, Tokunaga et al discloses that when there is no active window on display screen, the first image data without the reduction and the second image data without the reduction in memory means. (See col 5 line 25-34, col 6 line 52-64, col 40 line 51-60, col 41 line 50-col 42 line 42, col 56 line 48-62, See claim 18, claim 25)

Regarding claim 34, Tokunaga et al discloses that a counter for outputting a signal when a counter value reaches a predetermined value, wherein reduction means performs a reduction of frames of image data to be displayed on the bases of the signal output from counter. (See Fig 31, Fig 32, Fig 36, col 41 line 55-col 43 line 23, col 56 line 48-col 57 line 7)

Regarding claims 35-36,38-39,41-43 and 45, claims 35-36,38-39,41-43 and 45 are similar in scope to the claims 31-32 and 34, and thus the rejections to claims 31-32 and 34 hereinabove are also applicable to claims 35-36,38-39,41-43 and 45.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 33,37,40 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tokunaga et al in view of Shishido (6,137,490).

Regarding claim 33, Tokunaga et al fails to teach that displays image data to be displayed on an active window at a higher luminance than a luminance of image data to be displayed on an inactive window. However, Shishido discloses that "changing the luminance of display of the first one of the display devices to a predetermined luminance level indicative of an inactive process, for changing the luminance of display of the second one of the display devices to a predetermined luminance level indicative of an active process." (See col 9 line 1-14, col 10 line 17-30) It would have been obvious to one skilled in the art to incorporate the teaching of Shishido into the teaching of Tokunaga et al, in order to provide efficient way to distinct between active window and inactive window, as such improvement is also advantageously desirable in the teaching of Tokunaga et al.

Regarding claims 37,40 and 44, claims 37,40 and 44 are similar in scope to the claim 33, and thus the rejection to claim 33 hereinabove is also applicable to claims 37,40 and 44.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Chung whose telephone number is (703) 306-3419. He can normally be reached Monday-Thursday and alternate Fridays from 7:30am- 5:00pm. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Michael, Razavi, can be reached at (703) 305-4713.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

djc
April 7, 2003



**MICHAEL RAZAVI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600**